

**TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
PULCHOWK CAMPUS**



Submitted by:

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Department: III/I

Submitted to:

Department of Electronics
and Computer Engineering

index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Attention Is All You Need - Blog</title>
    <link rel="stylesheet" href="style.css">
</head>

<body>

    <header>
        <h1>Transformer Blog</h1>
    </header>

    <nav>
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="contact.html">Contact</a>
    </nav>

    <div class="container">
        <h2>Attention Is All You Need: The Theory</h2>
        
        <p>
            The "Attention Is All You Need" paper introduced the Transformer architecture, which replaced recurrent neural networks (RNNs) and convolutional neural networks (CNNs) in sequence modeling tasks.
        </p>
        <h3>Self-Attention Mechanism</h3>
        <p>
            The core idea is the self-attention mechanism. It allows the model to weigh the importance of different words in a sentence relative to each other, regardless of their distance. This enables parallelization, making it much faster to train than RNNs.
        </p>
        <h3>Multi-Head Attention</h3>
        <p>
            Multi-head attention allows the model to jointly attend to information from different representation subspaces at different positions. Instead of one attention head, it uses multiple heads to learn different relationships.
        </p>
        <h3>Encoder and Decoder</h3>
        <p>
            The architecture consists of an encoder and a decoder. The encoder processes the input sequence, and the decoder generates the output sequence. Each is made up of several identical layers.
        </p>
    </div>

    <footer>
        <p>&copy; 2026 DL Blog</p>
    </footer>
</body>

</html>
```

about.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About - Transformer Blog</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
```

```

<header>
    <h1>Transformer Blog</h1>
</header>

<nav>
    <a href="index.html">Home</a>
    <a href="about.html">About</a>
    <a href="contact.html">Contact</a>
</nav>

<div class="container">
    <h2>About This Blog</h2>
    <p>
        This blog was created as a simple blog to explain the basics of the "Attention Is All You Need" paper.
    </p>
    <p>
        The goal is to provide a simple overview of Transformers for beginner students.
    </p>
</div>

<footer>
    <p>&copy; 2026 DL Blog</p>
</footer>

</body>
</html>

```

contact.html

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact - Transformer Blog</title>
    <link rel="stylesheet" href="style.css">
</head>

<body>

    <header>
        <h1>Transformer Blog</h1>
    </header>

    <nav>
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="contact.html">Contact</a>
    </nav>

    <div class="container">
        <h2>Contact Us</h2>
        <form>
            <label for="name">Name:</label><br>
            <input type="text" id="name" name="name" style="width: 100%; padding: 8px; margin: 10px 0;"><br>
            <label for="email">Email:</label><br>
            <input type="email" id="email" name="email" style="width: 100%; padding: 8px; margin: 10px 0;"><br>
            <label for="message">Message:</label><br>
            <textarea id="message" name="message" style="width: 100%; height: 100px; padding: 8px; margin: 10px 0;"></textarea><br>
            <button type="button" style="padding: 10px 20px; background: #333; color: white; border: none; cursor: pointer;">Send</button>
        </form>
    </div>

    <footer>
        <p>&copy; 2026 DL Blog</p>
    </footer>

</body>

```

```
</html>
```

style.css

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    line-height: 1.6;  
    background-color: #f4f4f4;  
}  
  
header {  
    background-color: #333;  
    color: #fff;  
    padding: 1rem 0;  
    text-align: center;  
}  
  
nav {  
    display: flex;  
    justify-content: center;  
    background-color: #444;  
}  
  
nav a {  
    color: white;  
    padding: 14px 20px;  
    text-decoration: none;  
    text-align: center;  
}  
  
nav a:hover {  
    background-color: #555;  
}  
  
.container {  
    padding: 20px;  
    max-width: 800px;  
    margin: auto;  
    background: white;  
}  
  
h1, h2 {  
    color: #333;  
}  
  
.blog-image {  
    width: 100%;  
    height: auto;  
    margin-bottom: 20px;  
    border: 1px solid #ddd;  
}  
  
footer {  
    text-align: center;  
    padding: 10px;  
    background: #333;  
    color: white;  
    margin-top: 20px;  
}
```